

[1] **EC-TYPE EXAMINATION CERTIFICATE**

according to Directive 94/9/EC, Annex III

(Translation)



[2] Equipment and Protective Systems intended for use in Potentially Explosive Atmospheres, Directive 94/9/EC

[3] EC-Type Examination Certificate Number: **IBExU12ATEX1047 U**

[4] Component: **Signal lamp**  
Type GHG 41. .... R ....

[5] Manufacturer: Cooper Crouse-Hinds GmbH

[6] Address: Neuer Weg-Nord 49  
69412 Eberbach  
GERMANY

[7] The design of the component mentioned under [4] and any acceptable variations thereto are specified in the schedule to this EC-Type Examination Certificate.

[8] IBExU Institut für Sicherheitstechnik GmbH, Notified Body number 0637 in accordance with article 9 of the Directive 94/9/EC of the European Parliament and the Council of 23 March 1994, certifies that the component mentioned under [4] has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of components intended for use in potentially explosive atmospheres given in Annex II to the Directive.  
The test results are recorded in the test report IB-12-3-007 of 05 June 2013.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2012, EN 60079-1:2007, EN 60079-7:2007 and EN 60079-11:2012.

[10] The sign „U“ placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This certificate may only be used as a basis for the certification of an equipment or protective system.

[11] This EC-Type Examination Certificate relates only to the design and construction of the specified component. If applicable, further requirements of this directive apply to the manufacture and supply of this component.

[12] The marking of the component mentioned under [4] shall include the following:

**II 2G Ex d e IIC/IIB Gb** or **II 2G Ex d ia IIC/IIB Gb**

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Authorised for certifications  
-Explosion protection-

By order

(Dr. Wagner)



- Seal -  
(ID no. 0637)

Freiberg, 05 June 2013

Certificates without signature and seal are not valid. Certificates may only be duplicated completely and unchanged. In case of dispute, the German text shall prevail.

**Annex**



Summary of the test results

The Signal lamp type GHG 41. .... R .... fulfils as component the requirements of explosion protection for Equipment Group II, Category 2G, type of protection flameproof enclosure "d" in combination with increased safety "e" and intrinsic safety "ia", respectively.

[17] **Special conditions for safe use**

- The installation of the Signal lamp in equipment of Category 2G must be tested and certified separately. At this, the thermal parameters have to be verified among others. The service temperature must not exceed 68 °C.

[18] **Essential Health and Safety Requirements**

Confirmed by compliance with standards (see [9]).

By order

Freiberg, 05 June 2013



(Dr. Wagner)